

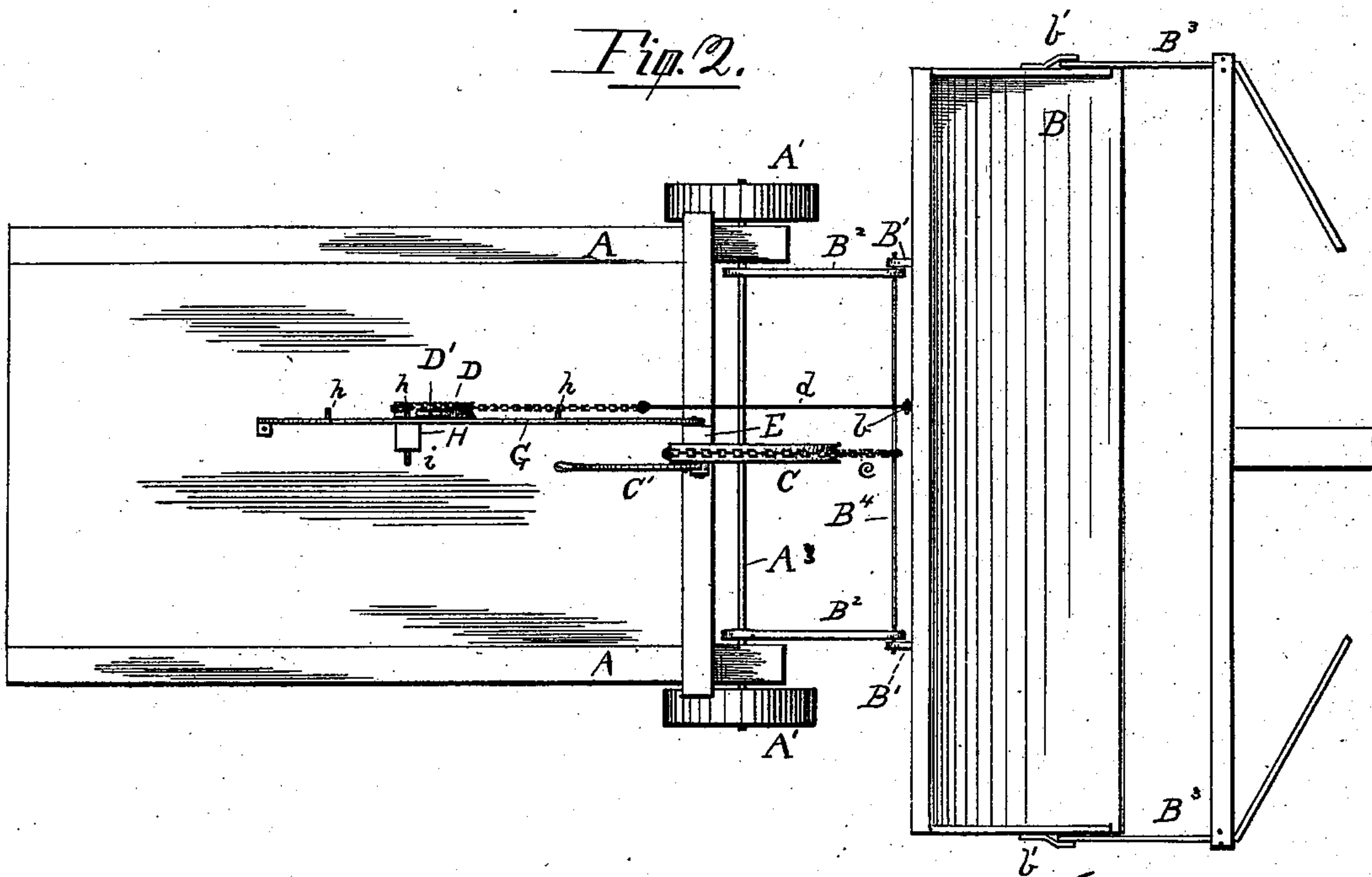
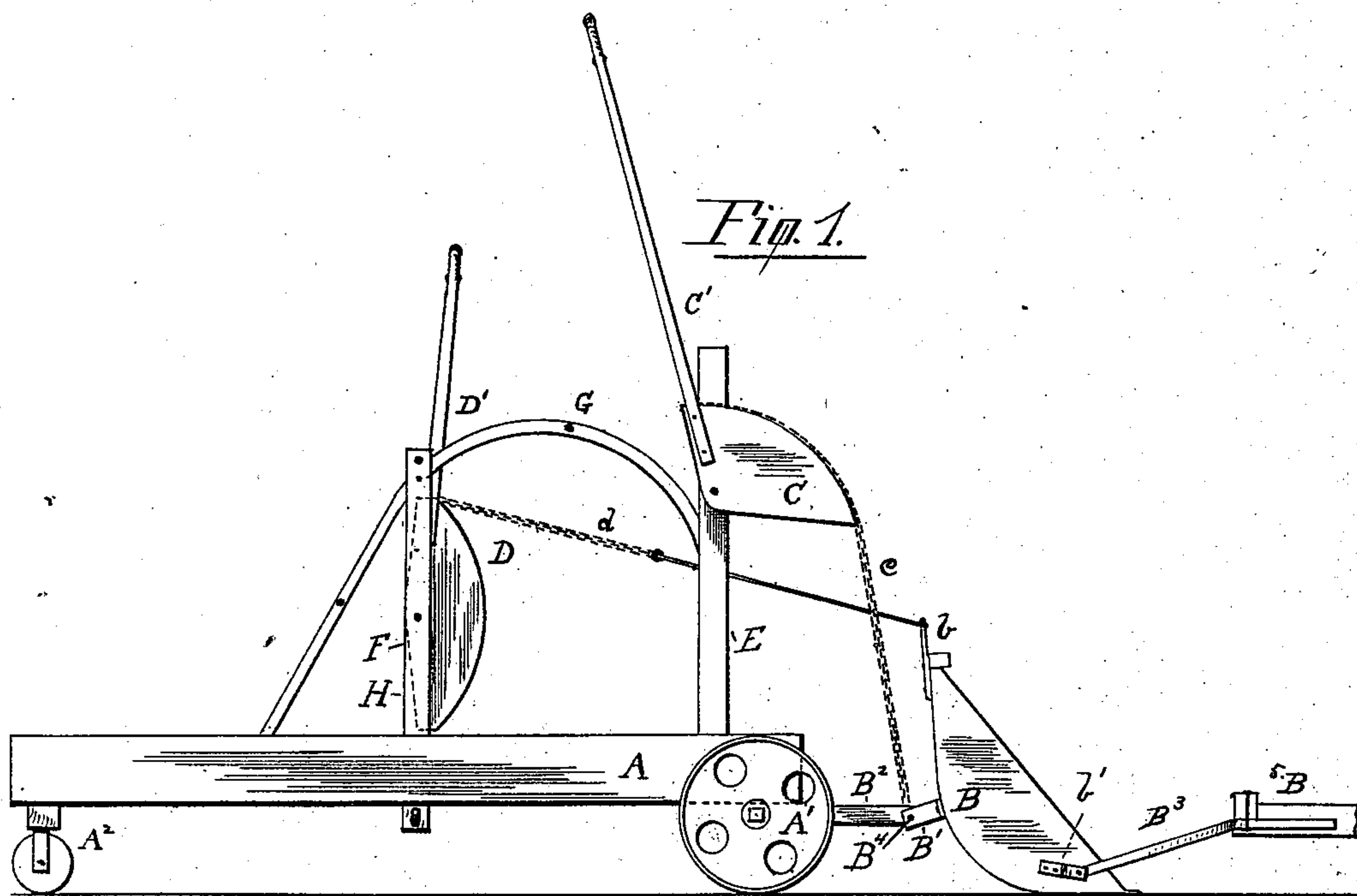
(No Model.)

D. M. DENEHY & H. W. CHILDS.

PLATFORM SCRAPER.

No. 380,024.

Patented Mar. 27, 1888.



Witnesses,
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UNITED STATES PATENT OFFICE.

DENIS M. DENEHY AND HEMAN W. CHILDS, OF ACAMPO, CALIFORNIA.

PLATFORM-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 380,024, dated March 27, 1888.

Application filed November 16, 1887. Serial No. 255,287. (No model.)

To all whom it may concern:

Be it known that we, DENIS M. DENEHY and HEMAN W. CHILDS, citizens of the United States, residing at Acampo, in the county of San Joaquin and State of California, have invented certain new and useful Improvements in Platform-Scrapers; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Our invention relates to certain improvements in that class of earth-scrapers used for grading and leveling off land and for ditching purposes; and it consists in the combination of certain parts, as hereinafter explained, and pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a side elevation of our scraper. Fig. 2 is a plan of the same.

The platform A is suitably mounted on front bearing-wheels, A', and axle A³, and the rear is supported by pivotally-attached wheel A². To the axle A³ are attached forwardly-extending arms B², which are coupled to the scraper B by means of ears B', attached at the back of the scraper and cross-rod B⁴. To the outside of the front of the scraper B are attached ears b', to which are attached forwardly-extending arms B³, embracing the pole or tongue B⁵, to which the team is attached.

The position and operation of the scraper B are controlled by a system of levers composed of a lug, b, attached to the top of the back of the scraper, which is connected by a rod and chain, d, to a lever, D', with a half-circle foot, D, having a grooved face carrying the chain d and having its fulcrum upon a post, H, whose foot is attached at the center of the platform A. The foot D has its bearing upon a pin, F, secured to post H. A post, E, is attached to the front of the platform. A half-circle, G, has its rear end attached at the rear of post H to the platform and its front end to the post E, and is likewise secured to the

post H, serving to brace the two posts firmly and likewise as a stop for the lever D' in its various positions, being provided with three lugs, h, the center one of which serves to secure the half-circle G to the post H, and is likewise provided at its other end with a hook, i, which holds a lever, G', when the scraper is elevated, which lever has a half-circle foot with a grooved face carrying a chain, c, which is attached to the cross-rod B⁴ at its center.

The above-described system of leverage controls the position of the scraper B, the lever C' C being more particularly used to dump the load of earth and elevate the scraper for purposes of transportation.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination, substantially as described, of the vehicle A A' A² A³ and lever devices consisting of the posts H and E, the half-circle G h, the levers D' D and C' C, the chain and rod d, and the chain c, with the scraper B, by means of the arms B², attached to the axle A³ at their rear ends and to the scraper at their front ends by the ears B', and cross-rod B⁴, the chain and rod d and chain c being suitably attached to the scraper, all as set forth.

2. The platform A, suitably mounted in the frame upon the wheels A' and axle A³, and in the rear upon the trailing wheel A², in combination with the scraper B, by means of the forwardly-extending arms B², attached to the axle A³ at their rear ends, and suitable levers for controlling and operating the scraper, all substantially as set forth and described.

3. The combination, with the platform A, suitably mounted and having attached to it the scraper B in front, of the posts H and E, and the half-circle G, provided with the lugs h, the center one of which is attached to post H and is provided with an outside hook end, i, engaging with the staff of the lever C' C, such lever being suitably connected with the scraper B by the chain c, all as shown and described.

4. The platform A, suitably mounted and

connected with the scraper B by the arms B²,
attached in the rear to the axle A³ and in
front to the ears B' of the scraper by means
of the cross-rod B⁴, in combination with the
5 post E, the lever C C', attached to such post,
and the chain c, attached at its upper end to
lever-shaft C' and at its rear end to cross-rod
B⁴, all as set forth.

In testimony whereof we affix our signatures
in presence of two witnesses.

DENIS M. DENEHY.
HEMAN W. CHILDS.

Witnesses:

JOSHUA B. WEBSTER,
HENRY I. WARD.